

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For The Technical Direction Of The LTPP Program



Program Area:	IMS	Directive Number:	1-51
Date:	April 19, 1999	Supersedes:	NA
Subject:	Disposition of Obsolete IMS Applications		

This directive implements the guidelines for disposition of obsolete applications used by the LTPP program. The LTPP program has changed and updated many applications and or has metricated much of the LTPP data. As a result of these changes, new applications have been created and a series of obsolete or orphaned programs exist within the program. This directive identifies obsolete LTPP software applications specially created for the use in the LTPP program or commercially available packages. This directive also addresses the procedures to be followed for the archiving and destroying of these applications.

Commercially Available Software:

Commercial software is used in a variety of ways within the LTPP program. There are software packages such as office suites used to document, manage and communicate information about the program. There is software which comes with equipment for the purposes of data collection. There are software applications developed using commercially available packages to process data for inclusion in the IMS or to make information collected by the LTPP accessible to others.

WordPerfect 6.1® for example has been specified to create documents within the LTPP program. The K.J. Law Profilometer ® has data collection software included with it. The IMS database is developed using Oracle® tools. The traffic software is written in the DOS environment and requires the use of DesqView®. These are all examples of commercially available software which is not maintained by the LTPP program. Upgrades, copies and retention of old versions of such packages are handled on a case by case basis reflecting the licensing requirements and the LTPP program needs.

LTPP Software Applications:

LTPP software applications include such things as the IMS, traffic processing software, FWDSCAN, SMPCheck, Tracker and PROQUAL. Software applications should be archived when they are replaced with a new version or the software is not longer used by the LTPP program. A new version may be either a complete replacement or part of the upgrade cycle. A complete replacement is the change from ORACLE for DOS to ORACLE for NT. An upgrade cycle for example is the change from PROQUAL 2.08 to PROQUAL 2.09. **The sole exception to the archiving of each new version in the upgrade cycle is the IMS.** The IMS will only be archived when a complete replacement is identified (the 2.0 version only and not 2.0 and 2.1 and 2.2 and so forth).

Archiving of software applications is the responsibility of the developer. Submission of archived applications will be done annually. At least four copies of any archived applications will exist: one with the developer, one with the TSSC, one with the administrator of the release database and one with the LTPP Team at FHWA. Unless otherwise directed, copies of the obsoleted software application will be provided to FHWA on an annual basis but no later than February 15th of the following year. Copies of the source code for the archived software application must be included.

Archiving software applications requires the original source, object code, updates to manuals, updates to users guides, and reference to any other software (operating systems or off-the-shelf packages) required to run the software. If commercial software is required, the ability to run it must be retained including any necessary hardware. LTPP developed manuals or other documentation included in an archive should be in either ASCII text, a publishing format such as **Portable Document File "pdf"** with the necessary Adobe Acrobat Reader® or as the original file with the software required to view, edit and print the material. Documentation which exists only in hard copy will not be converted to electronic format.

Archives of applications will be kept on CD-ROM. Each group of software will have its own subdirectory on the CD-ROM. Each version of a given type of software will be archived in its own subdirectory. For example, profile processing software comprises one group of software applications. PROQUAL versions 2.05, 2.06 and 2.07 would each have a separate subdirectory within the profile subdirectory.

Destroying Obsoleted Applications:

Unless a user has been instructed to retain copies of archived software applications, any listed obsolete version may be destroyed or filed at the user's discretion. Copies of obsolete applications required at a later date may be obtained from the TSSC upon request. Availability of archived software applications to outside parties will be subject to the same conditions as any other unsupported LTPP software.

Initial List of Obsoleted Applications:

- IMS: No version of the ORACLE database prior to conversion to Windows NT needs to be retained after 1 May 1999 in the regional offices. The only version of the DOS based IMS software to be archived by the TSSC will be the last version. All other versions may be destroyed. [Support of international users has always depended on their upgrading as we do. There will be no retention of older versions to support them.]
- CTDB: Traffic metrication software prior to version 3.0 and traffic processing software earlier than version 5.7g.
- Explorer: All versions. No archive copy will be kept as this software was the beta for the concept of DataPave.
- Browser: All versions used prior to NT release 2.0.

Obsolete Applications in the Future:

Instructions on software disposition for applications issued after 1 May 1999 will be included in directives regarding application updates and replacements.

Approved by:
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